Service Manual

AUTOMOTIVE ELECTRONICS

mazda

VEHICLE	DESTINATION	PRODUCED AFTER	MAZDA PARTS NO.	ID CODE	MATSUSHITA MODEL NO.
PREMACY	Europe	Apr., 1999	CB01 66 9C0	-	CQ-LM0920A

AM/FM MPX ELECTORONIC TUNING RADIO
with stereo cassette tape player
CD Player Controller and CD Chenger Controller

PANA -09957

SPECIFICATIONS*

General

Power Supply	: DC 12V (11V~16V) Test Voltage 13.2V, Negative Ground
Current Consumption	: Less than 4.0A
Maximum Power Output	: 25W×4 (at 4 Ω)
Speaker Impedance	: 4 Ω

UKW Stereo Radio

Frequency Range	: 87.5~108.0MHz
Usable Sensitivity	: 8±6 dB (μV) (S/N 30 dB)
Stereo Separation	: 33 $^{+22}_{-13}$ dB
Seek Sensitivity	: 24±5dB (μV)
Signal to Noise Ratio	: 62±7dB

MW Radio

Frequency Range	: 531~1,602kHz
Usable Sensitivity	: 24±6 dB (μV) (S/N 20 dB)
Signal to Noise Ratio	: More than 45dB

Cassette Player

Reproduction System	: 4-track, 2-program stereo
Tape Speed	: 4.76cm/ sec
Frequency Response	: 30~14,000Hz
Wow and Flutter	: 0.12% (WRMS)
Signal to Noise Ratio	: 55 dB (IHF, A)

Dimensions**	: 178(W)×110(H)×160(D)mm
Weight**	: 1.5kg

* Specifications and design are subject to modification without notice due to improvements.
** Dimensions and weight shown are approximate.

Manufactured for MAZDA
by Matsushita Communication Industrial Co., Ltd.

9957
No.1078

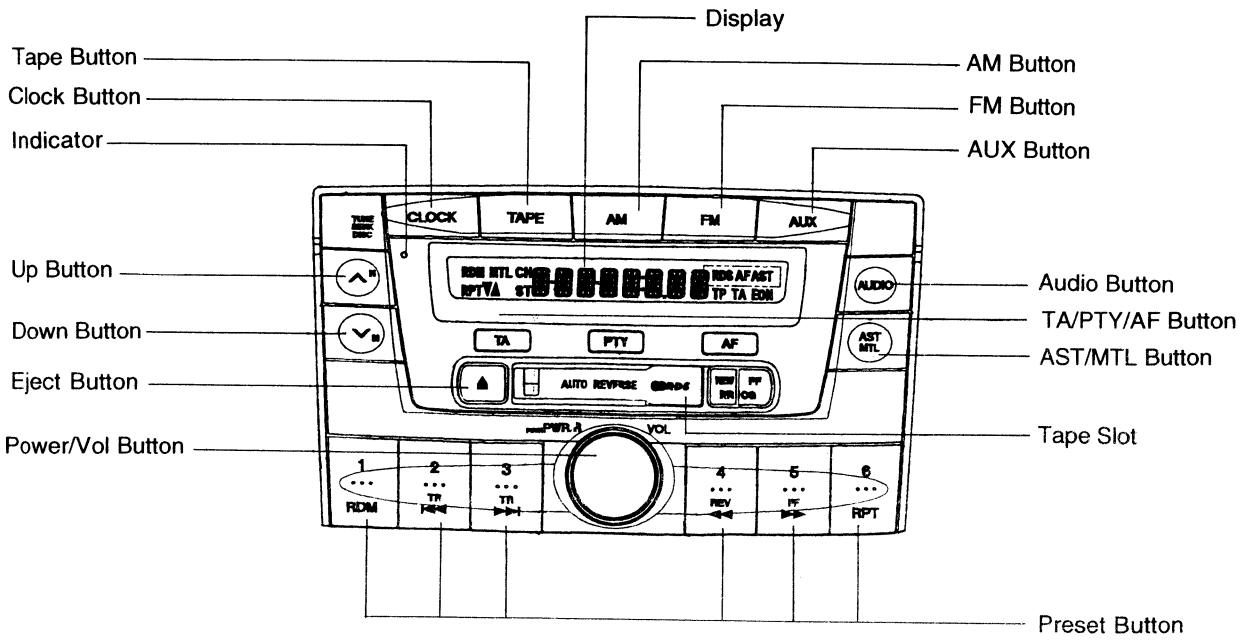
CONTENTS

FEATURES 1
NAME AND FUNCTION OF EACH PARTS 1
REAR VIEW AND CONNECTORS 2
ALIGNMENT INSTRUCTIONS 3
WIRING CONNECTION 4
BLOCK DIAGRAM 5
WIRING DIAGRAM (ESC,TAPE BLOCK) 6
WIRING DIAGRAM (MAIN,RDS BLOCK) 7
SCHEMATIC DIAGRAM (MAIN,RDS,ESC,TAPE BLOCK) 8
TERMINALS DESCRIPTION 9
IC BLOCK DIAGRAM ..... 9 to 11
REPLACEMENT PARTS LIST 12 to16
EXPLODED VIEW (UNIT) 17
EXPLODED VIEW (TAPE PLAYER) 18

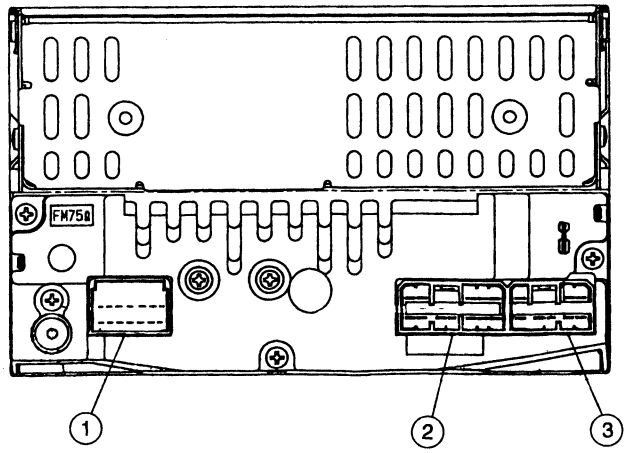
FEATURES

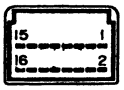
- PLL (Phase Locked Loop) synthesized tuning.
- 6-station preset (MW,UKW1,UKW2)
- Seek tuning function.
- Scan tuning function.
- RDS function.
- CD player control.
- CD changer control.
- Clock function.
- Removable face plate.

NAME AND FUNCTION OF EACH PARTS



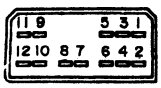
REAR VIEW AND CONNECTORS



① 

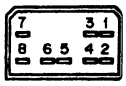
CN702 16Pin Connector

1. CD Rch ⊕Input	(Rch⊕)
2. Signal Ground	(S.GND)
3. CD Lch ⊕Input	(Lch⊕)
4. No Connection	(NC)
5. No Connection	(NC)
6. No Connection	(NC)
7. BUS Ground	(BUS GND)
8. BUS Line	(BUS LINE)
9. Power Supply ACC	(ACC)
10. Power Ground	(GND)
11. Power Supply ⊕B	(⊕B)
12. System Mute	(MUTE)
13. ⊕TNS	(⊕TNS)
14. ⊖ILLUMI	(⊖ILL)
15. No Connection	(NC)
16. No Connection	(NC)

② 

CN701 12Pin Connector

1.Power Supply ACC	(ACC)
2. H/F.Telephhone Mute	(H/F TEL MUTE)
3. Power Supply ⊕B	(⊕B)
4. Antenna Switch	(ANT.SW)
5. ⊕TNS	(⊕TNS)
6. ⊖ILLUMI	(⊖ILL)
7. Steering Switch	(ST.SW)
8. Steering SW (MODE)	(ST.SW2)
9. Front Speaker Left ⊕	(F-SP.LH⊕)
10.Front Speaker Left ⊖	(F-SP.LH⊖)
11.Front Speaker Right ⊕	(F-SP.RH⊕)
12.Front Speaker Right ⊖	(F-SP.RH⊖)

③ 

CN701 8Pin Connector

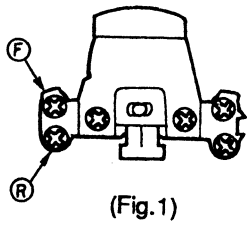
1. Rear Speaker, Left ⊕	(R-SP.LH⊕)
2. Rear Speaker, Left ⊖	(R-SP.LH⊖)
3. No Connection	(NC)
4. AMP. Control	(AMP CONT)
5. Rear Speaker, Right ⊕	(R-SP.RH⊕)
6. Rear Speaker, Right ⊖	(R-SP.RH⊖)
7. No Connection	(NC)
8. No Connection	(NC)

ALIGNMENT INSTRUCTIONS

1. HEAD AZIMUTH ALIGNMENT

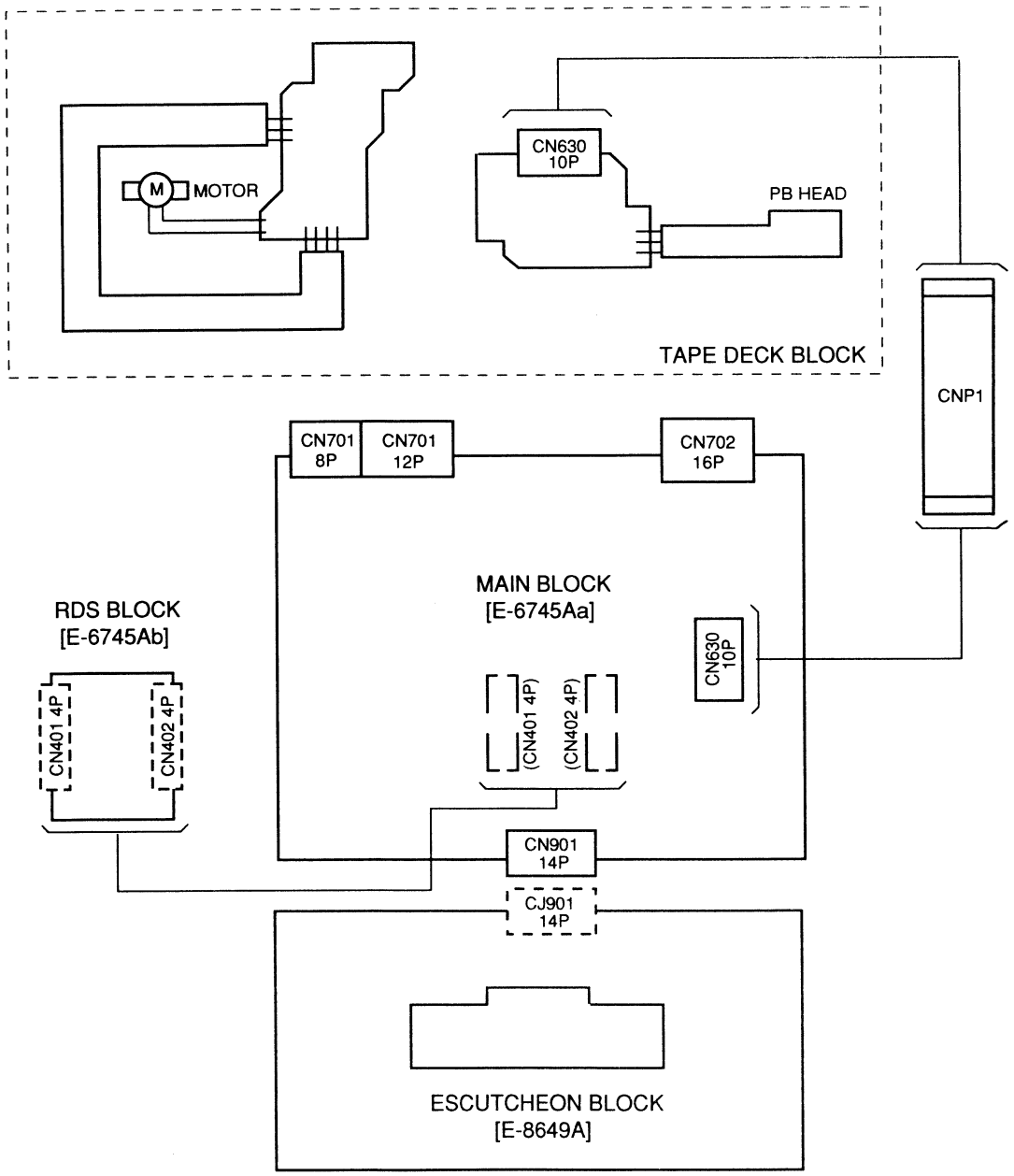
Step	Alignment Item	test Tape	Input Terminal	VTVM Connection	Adjust	Remarks
1	Head Azimuth (A side)	TCC-153	Play back Head	Speaker Terminals	Head Azimuth Adjustment Screw Ⓕ (Fig.1)	Adjust for maximum output (Use ⊕ Screw)
2	Head Azimuth (B side)	TCC-153	Play back Head	Speaker Terminals	Head Azimuth Adjustment Screw Ⓡ (Fig.1)	Adjust for maximum output (Use ⊕ Screw)
3	Head Azimuth (Confirm: A Side)	TCC-153	Play back Head	Speaker Terminals	–	Confirm the level difference Ⓕ / Ⓡ and L/R 0±4dB (at 8kHz)

Note: After the above adjustment, apply bonding agent to the adjustment screw.



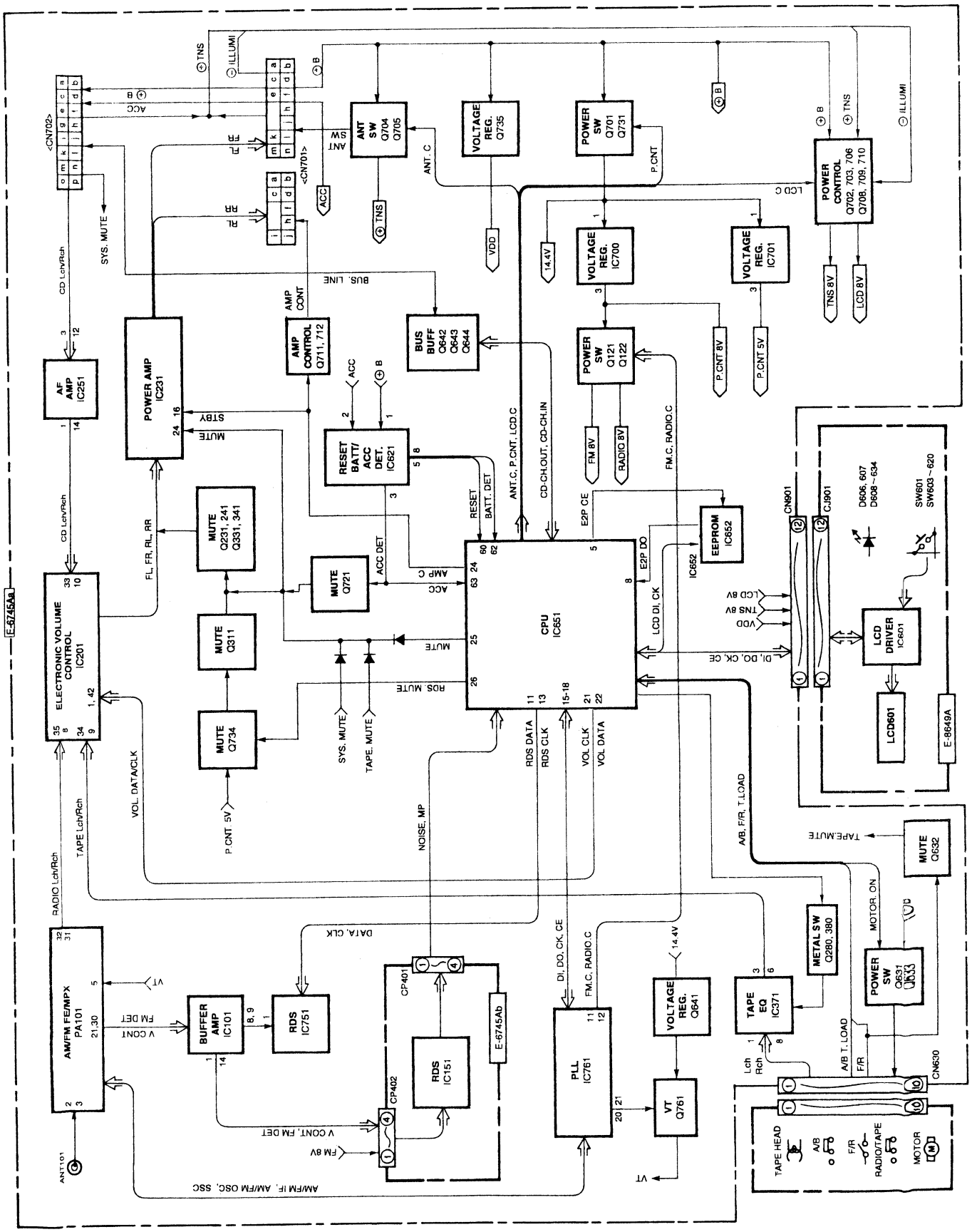
(Fig.1)

WIRING CONNECTION



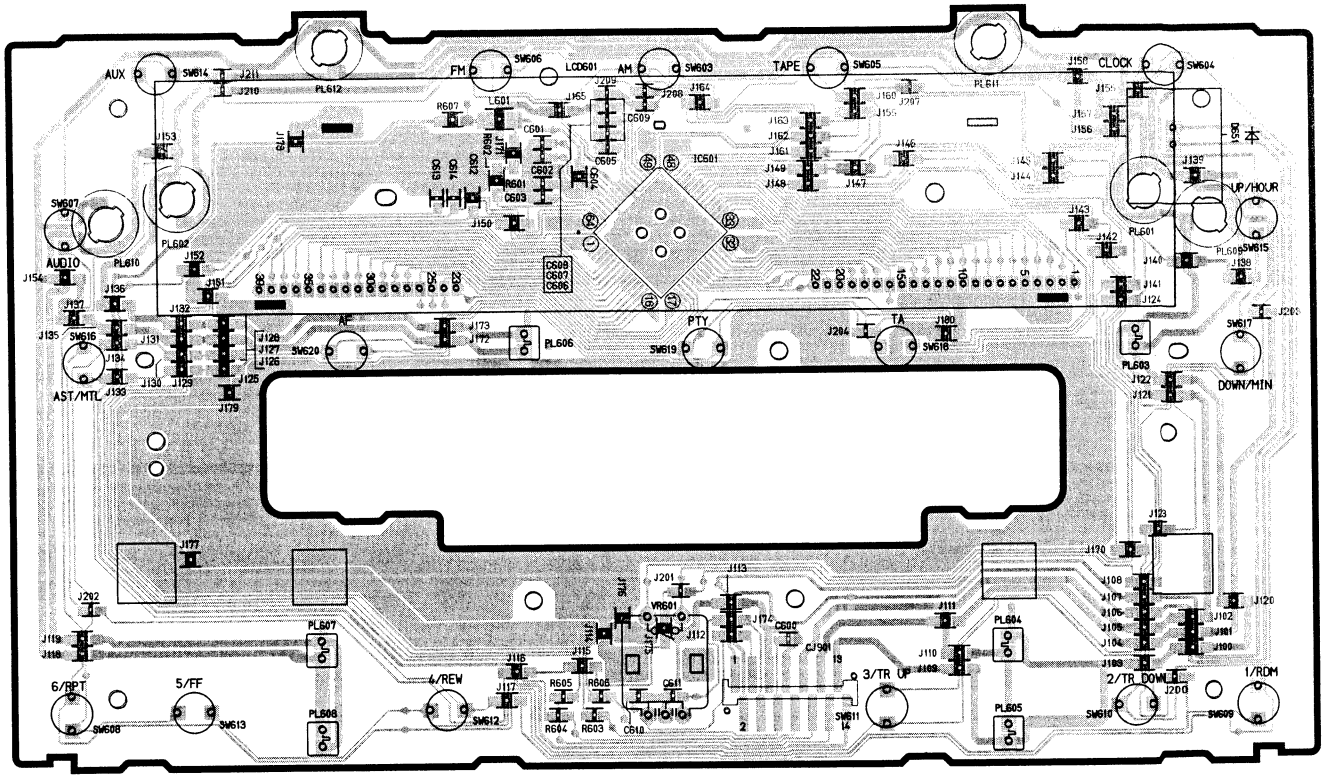
BLOCK DIAGRAM

MAZDA PART No. CB01 66 9C0
MODEL CQ-LM0920A



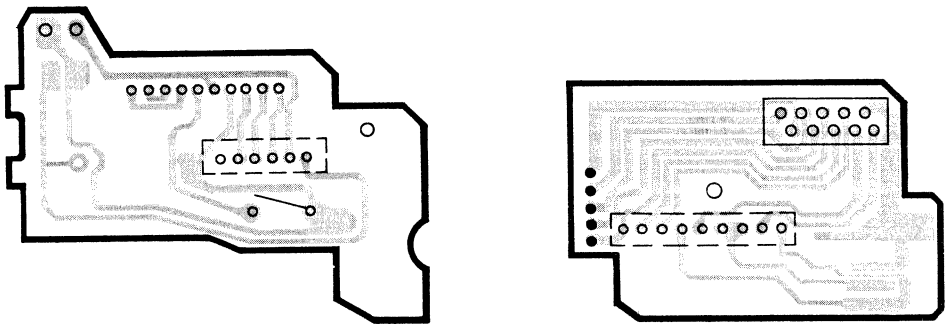
WIRING DIAGRAM (ESC Block)

MAZDA PART No. CB01 66 9C0
MODEL CQ-LM0920A



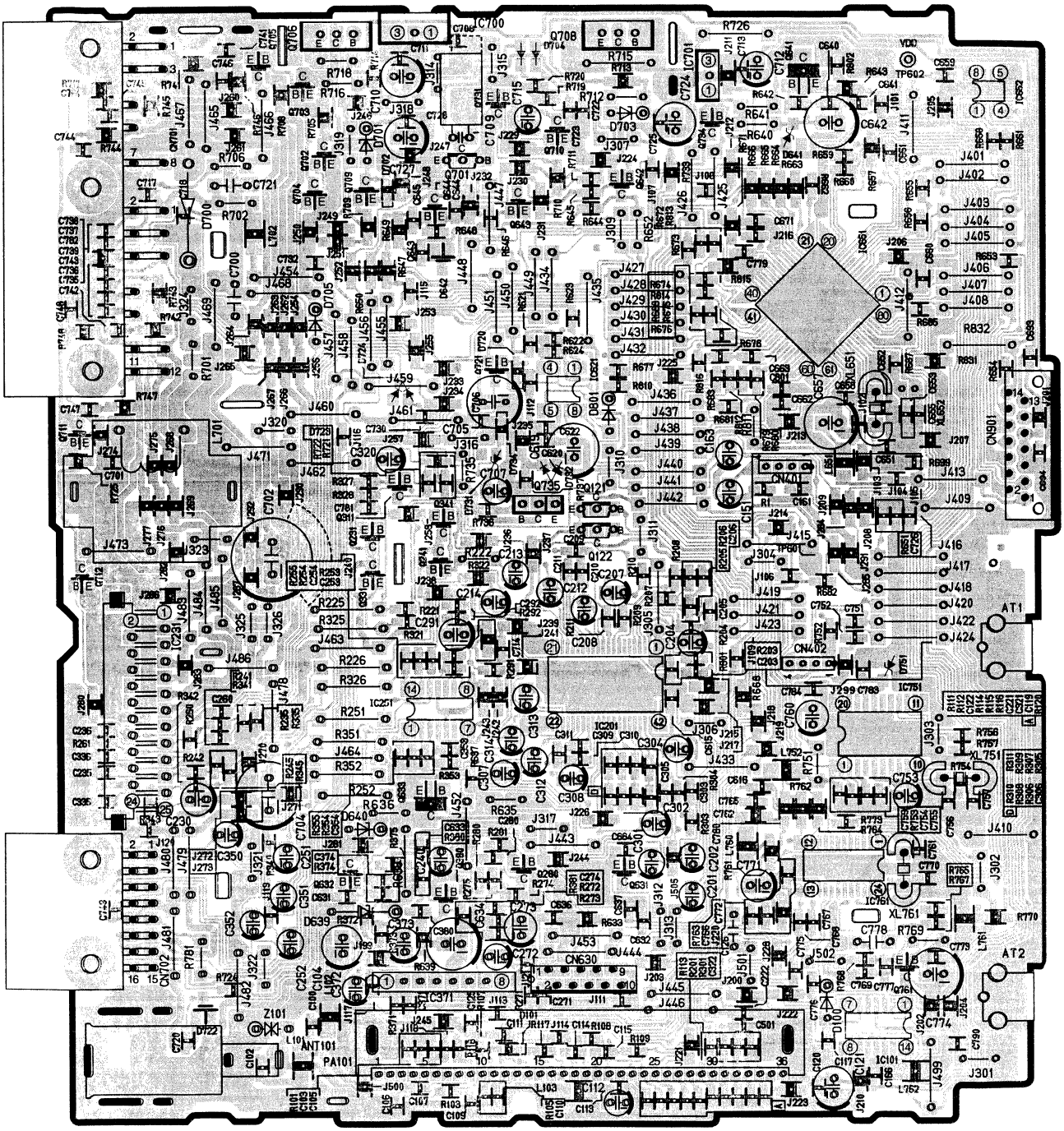
[E-8649A]

WIRING DIAGRAM (Tape Block)

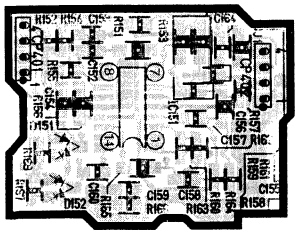


WIRING DIAGRAM (Main,RDS, Block)

MAZDA PART No. CB01 66 9C0
MODEL CQ-LM0920A



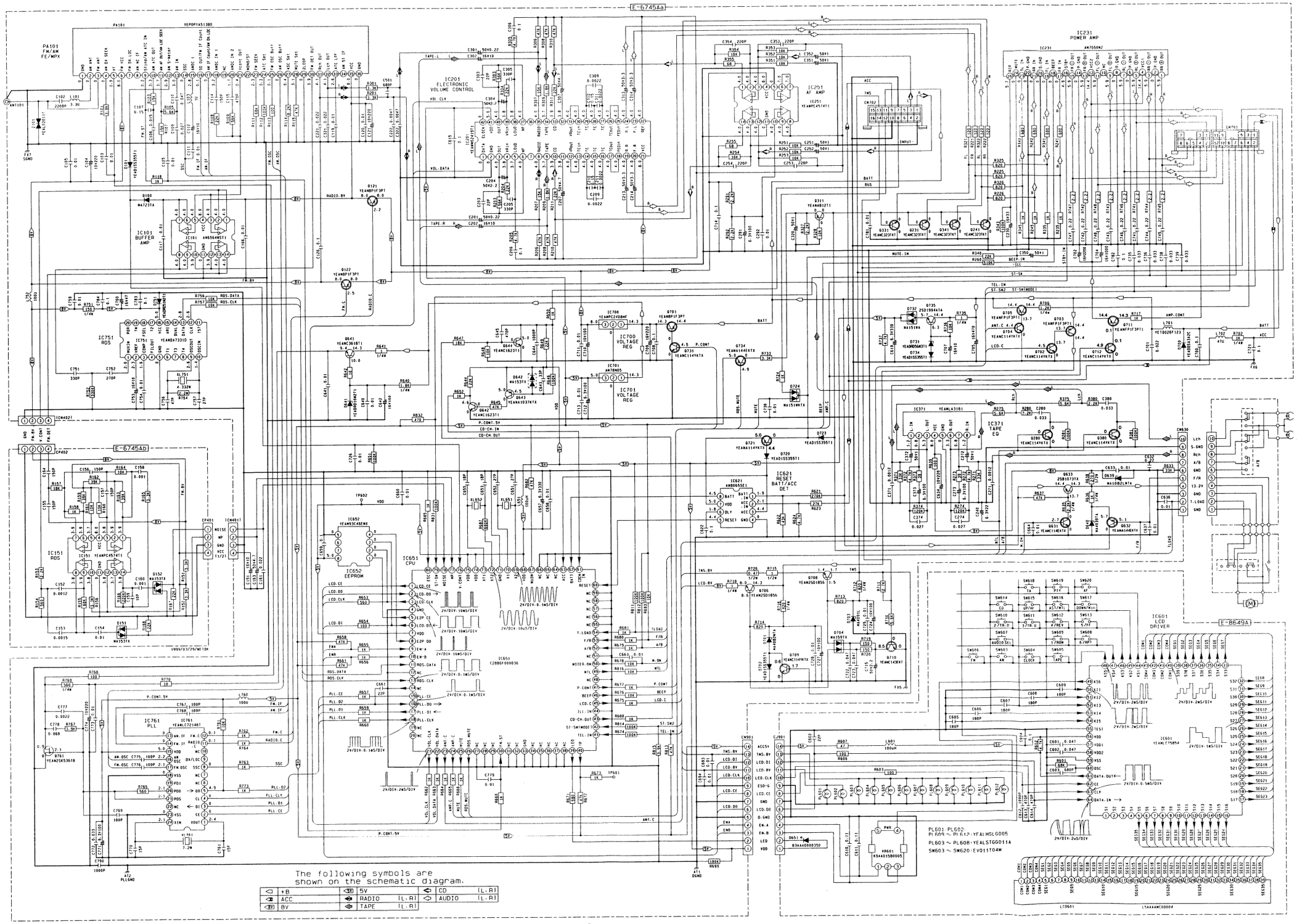
[E-6745Aa]



[E-6745Ab]

SCHEMATIC DIAGRAM (Main,RDS,ESC,Tape Block)

MAZDA PART No. CB01 66 9C0
MODEL CQ-LM0920A



TERMINALS DESCRIPTION

■IC651 C2BBGF000036

Pin No.	Signal Name	Description	I/O	Vol. (V)
1	LCD-CE	LCD chip enable	O	0
2	LCD-DO	LCD data input	I	1.9
3	LCD-CLK	LCD clock	O	0
4	GND	Ground	—	0
5	E2P CE	EEPROM chip enable	O	0
6	LCD-DI	LCD data output	O	0
7	VDD	+5V power Supply	—	0
8	E2P D0	EEPROM data input	I	0
9	EN-A	Rotary Encoder input A	I	0
10	EN-B	Rotary Encoder input B	I	0
11	RDS-DATA	RDS data input	I	2.5
12	NC	(Connecting to ground)	—	—
13	RDS-CLK	RDS clock input	I	2.6
14	NC	(Connecting to ground)	—	0
15	PLL-CE	PLL Controller chip enable	O	0
16	PLL-DO	PLL data input	I	5.0
17	PLL-DI	PLL data output	O	0
18	PLL-CLK	PLL clock output	O	0
19	NC	No connection	—	—
20	NC	No connection	—	—
21	VOL-CLK	Electoronic Volume clock	O	0
22	VOL-DATA	Electoronic Volume data	O	0
23	ANT-C	Antenna power control	O	4.9
24	AMP-C	EXT.amp power control	O	4.9
25	MUTE	Mute Control	O	4.9
26	RDS-MUTE	RDS mute output	O	4.9
27	NC	(Connecting to ground)	—	0
28	NC	(Connecting to ground)	—	0
29	NC	(Connecting to ground)	—	0
30	FM ST	FM stereo detection	I	0.2
31	NC	(Connecting to ground)	—	0
32	NC	(Connecting to ground)	—	0
33	GND	Ground	—	0
34	NC	(Connecting to ground)	—	0
35	NC	(Connecting to ground)	—	0
36	NC	(Connecting to ground)	—	0
37	NC	(Connecting to ground)	—	0
38	NC	(Connecting to ground)	—	0
39	LED	Security LED control	O	3.6
40	TP	Test point	O	4.8
41	TEL-IN	Telephone mute	I	4.4
42	ST-SW (MODE)	Steering switch	I	0
43	CD-CH-OUT	Bus data output	O	0
44	ILL-IN	(Connecting to ground)	—	0
45	LCD-C	LCD illumi.control	O	4.9
46	BEEP	Buzzer output	O	0
47	P-CONT	System power control	O	4.9
48	NC	(Connecting to ground)	—	0
49	MTL	Metal tape selection	O	0
50	MOTOR-ON	Tape motor control	O	4.9

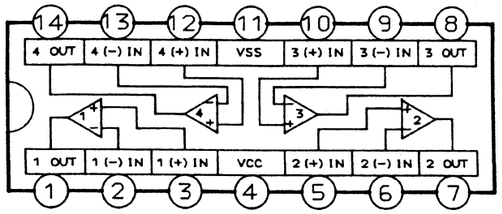
Pin No.	Signal Name	Description	I/O	Vol. (V)
51	NC	(Connecting to ground)	—	0
52	A/B	Tape side detection	I	1.2
53	F/R	tape FF/REW detection	I	5.0
54	T-LOAD	Tape load detection	I	0
55	NC	(Connecting to ground)	—	0
56	NC	(Connecting to ground)	—	0
57	NC	(Connecting to ground)	—	0
58	NC	(Connecting to ground)	—	0
59	NC	(Connecting to ground)	—	0
60	RESET	Reset input	I	4.6
61	CD-CH-IN	Bus data input	I	4.7
62	BATT	Battery detection	I	4.6
63	ACC	Acc detection	I	4.6
64	NC	(Connecting to ground)	—	0
65	NC	(Connecting to ground)	—	0
66	NC	(Connecting to ground)	—	0
67	MUON	(Connecting to Vcc)	—	4.8
68	VDD	+5V power Supply	—	4.9
69	X2	Crystal osciliator	—	2.4
70	X1	Crystal osciliator	—	1.3
71	GND	Ground	—	0
72	XT2	Crystal osciliator	—	2.6
73	XT1	Crystal osciliator	—	0.7
74	VDD	+5V power Supply	—	4.9
75	VDD	+5V power Supply	—	4.9
76	VCONT	Radio Signal detection	I	0
77	MP	Multi-path detection	I	0
78	NOISE	Adjustment station detection	I	1.4
79	ST-SW	Steering switchi input	I	4.6
80	ESC	Escutheon Detection	I	4.9

■IC651 C2BBGF000036

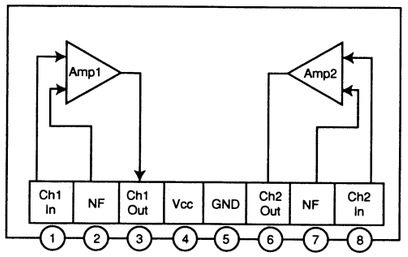
Pin NO.	Port	Discripotion	I/O	Volt(V)
1~4	S1~S4	Not Used	–	–
5~39	S5~S39	LCD Segment output	O	2.5
40~43	COM1~4	LCD Common output	O	2.5
44~49	KS1~KS6	Key scan signal	O	0.9
50~54	KI1~KI5	Key data input	I	0
55	TEST	(Connect to ground)	–	0
56	VDD	+5V Power Supply	–	4.9
57	VDD1	Ground htrough capacitor	–	3.3
58	VDD2	Ground htrough capacitor	–	1.7
59	VSS	Ground	–	0
60	OSC	CR Oscillator	–	3.8
61	DO	Key data out put	O	4.4
62	CE	Chip enable	I	0
63	CL	LCD clock	I	0
64	DI	LCD data input	I	0

IC BLOCK DIAGRAM (1)

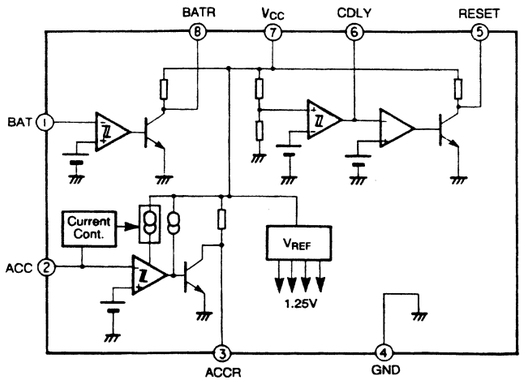
■IC151,251 YEAMPC4574T1 [E-6745A]



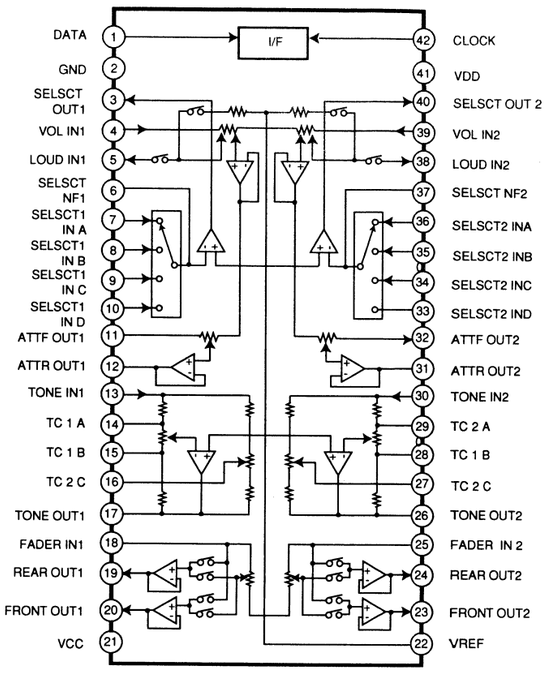
■IC371 YEAMLA3161 [E-6745A]



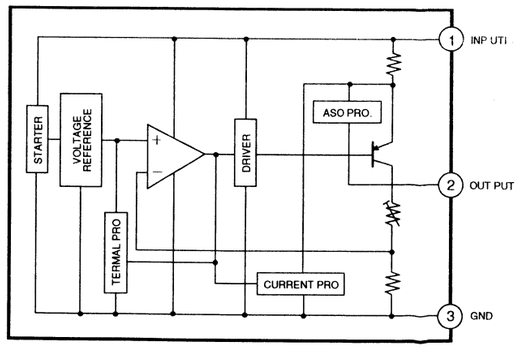
■IC621 AN8065SE1 [E-6745A]



■IC201 YEAMM62419T1 [E-6745A]

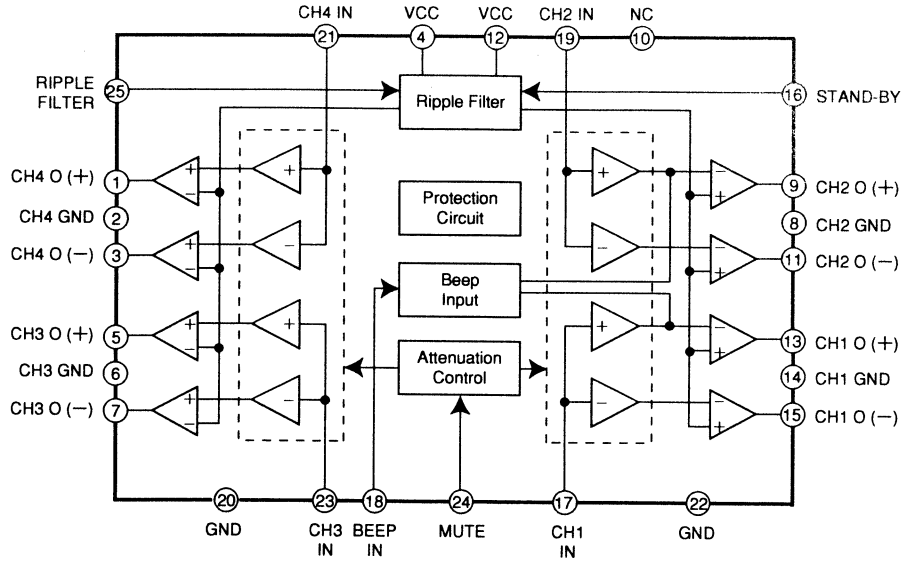


■IC700 YEAMPC2408HF [E-6745A]

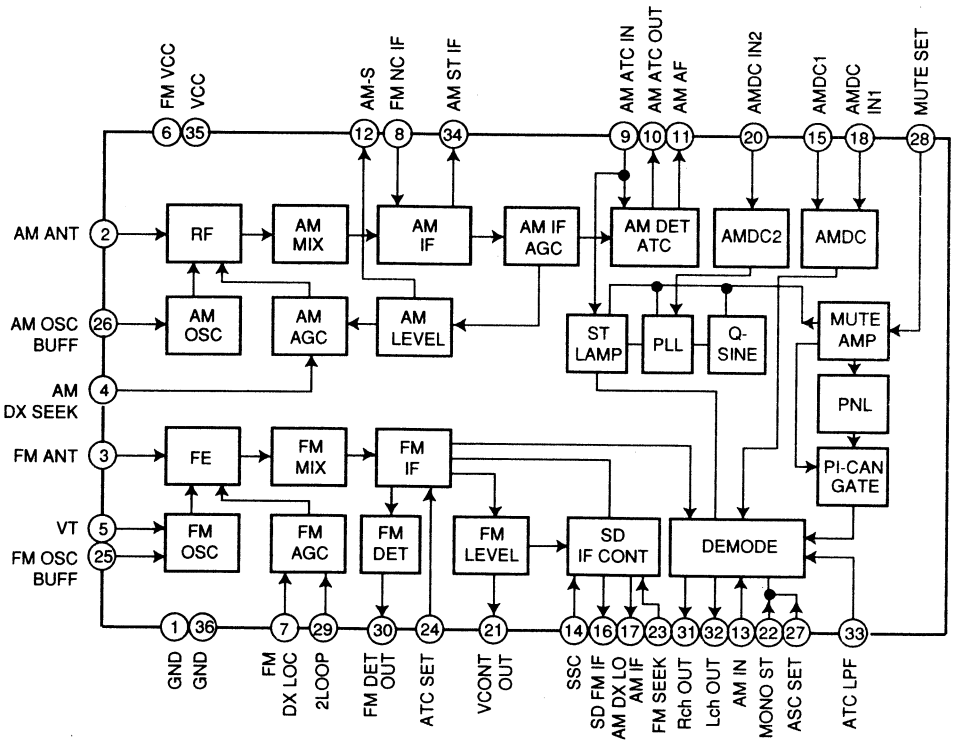


IC BLOCK DIAGRAM (2)

■IC231 AN7550NZ [E-6745A]

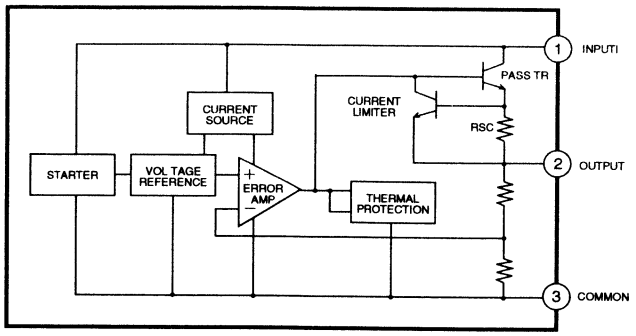


■PA101 YEP0PTA513B0 [E-6745A]

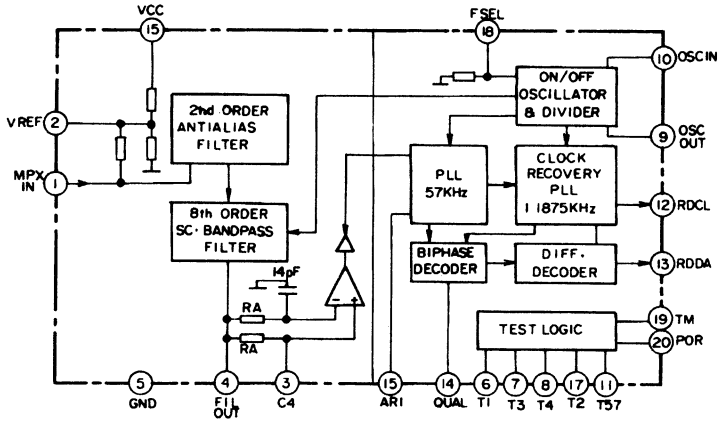


IC BLOCK DIAGRAM (3)

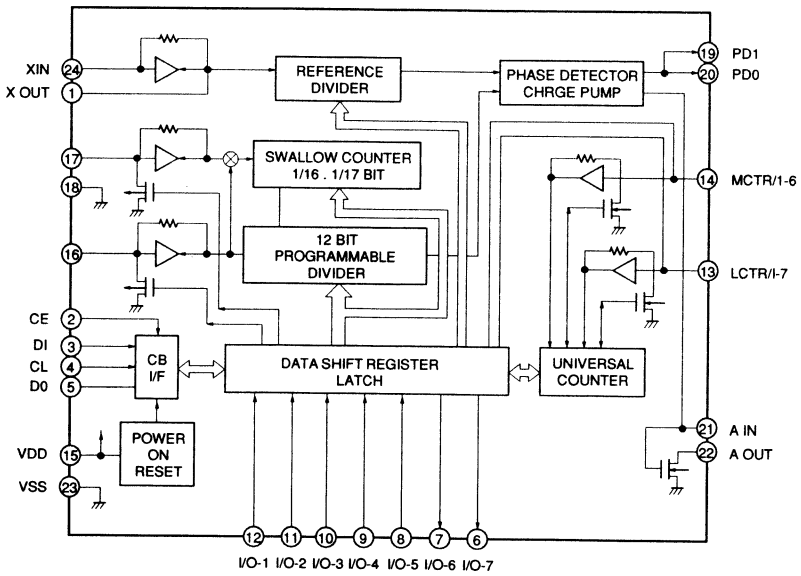
■IC701 AN78N05 [E-6745A]



■IC751 YEAMDA7331D [E-6745A]



■IC761 YEAMLC72146T [E-6745A]



1 Replacement Parts List

Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a load map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "MCC" marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp. of America (MCC).

1.1. IC's and Transistors

MAIN BLOCK [E-6745A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC101	AN6564NST1	IC	
IC151	YEAMPC4574T1	IC	
IC201	YEAMM62419T1	IC	
IC231	AN7550NZ	IC	
IC251	YEAMPC4574T1	IC	
IC371	YEAMLA3161	IC	
IC621	AN8065SE1	IC	
IC651	C2BBGF000036	IC	
IC652	YEAM93C46EMX	IC	
IC700	YEAMPC2408HF	IC	
IC701	AN78N05	IC	
IC751	YEAMDA7331D	IC	
IC761	YEAMLC72146T	IC	
Q121	YEANBP1F3PT	Transistor	
Q122	YEANBP1F3PT	Transistor	
Q231	YEANC323TKT	Transistor	
Q241	YEANC323TKT	Transistor	
Q280	YEANC114YKTX	Transistor	
Q311	YEANA812T1	Transistor	
Q331	YEANC323TKT	Transistor	
Q341	YEANC323TKT	Transistor	
Q380	YEANC114YKTX	Transistor	
Q631	YEANC114EKTX	Transistor	
Q632	YEANA144EKTX	Transistor	
Q633	2SB1073TX	Transistor	
Q641	YEANC3618T1	Transistor	
Q642	YEANC1623T1	Transistor	
Q643	YEANA1037KTX	Transistor	
Q644	YEANC1623T1	Transistor	
Q701	YEANBP1F3PT	Transistor	
Q702	YEANC114YKTX	Transistor	
Q703	YEANFP1F3PT1	Transistor	
Q704	YEANC114YKTX	Transistor	
Q705	YEANFP1F3PT1	Transistor	
Q706	YEAN2SD1856	Transistor	
Q708	YEAN2SD1856	Transistor	
Q709	YEANC114YKTX	Transistor	
Q710	YEANC143EKT	Transistor	
Q711	YEANFP1F3PT1	Transistor	
Q712	YEANC114YKTX	Transistor	
Q721	YEANA114YKTX	Transistor	
Q731	YEANC114YKTX	Transistor	
Q734	YEANA144EKTX	Transistor	
Q735	2SD1994ATA	Transistor	
Q761	YEAN2SK536TB	Transistor	
PA101	YEP0PTA513B0	Pack	

DISPLAY BLOCK [E-8649A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC601	YEAMLC75854	IC	

1.2. Diodes

MAIN BLOCK [E-6745A]

Ref. No.	Part No.	Part Name & Description	Remarks
D100	MA723TA	Diode	
D101	YEAD1SS355T1	Diode	
D151	MA153TX	Diode	
D152	MA153TX	Diode	
D639	MA1082LMTA	Diode	
D640	MA4039TA	Diode	
D641	YEADRD10M2T1	Diode	
D642	MA153TX	Diode	
D700	YEADDSA3A2C	Diode	
D701	MA4082MTA	Diode	
D702	YEAD1SS355T1	Diode	
D703	MA4091L	Diode	
D704	MA159TX	Diode	
D720	YEAD1SS355T1	Diode	
D723	YEAD1SS355T1	Diode	
D724	MA151WKTX	Diode	
D731	YEADRD56M3T1	Diode	
D732	MA151WA	Diode	
D734	YEAD1SS355T1	Diode	
D751	YEADRD51M2T1	Diode	

DISPLAY BLOCK [E-8649A]

Ref. No.	Part No.	Part Name & Description	Remarks
D651	B3AAA0000350	LED	

1.3. Capacitors

MAIN BLOCK [E-6745A]

Ref. No.	Part No.	Part Name & Description	Remarks
C102	YECUS1H222KX	Ceramic,0.0022µF 50WV	
C103	YECUS1H103KX	Ceramic,0.01µF 50WV	
C104	ECA1AM221I	Electrolytic,220µF 10WV	
C105	YECUS1H103KX	Ceramic,0.01µF 50WV	
C106	YECUS1H153KX	Ceramic,0.015µF 50WV	
C107	YECUS1C154KX	Ceramic,0.15µF 16WV	
C109	YECUS1E273KX	Ceramic,0.027µF 25WV	
C110	YECUS1E473KX	Ceramic,0.047µF 25WV	
C111	YECUS1H103KX	Ceramic,0.01µF 50WV	
C112	ECEA1CKA100I	Electrolytic,10µF 16WV	
C114	YECUS1H151JM	Ceramic,150pF 50WV	
C115	YECUS1H471JM	Ceramic,470pF 50WV	
C117	YECUS1H103KX	Ceramic,0.01µF 50WV	
C119	YECUS1H103KX	Ceramic,0.01µF 50WV	
C120	YECUS1H103KX	Ceramic,0.01µF 50WV	
C121	ECA1AM221I	Electrolytic,220µF 10WV	
C125	YECUS1H103KX	Ceramic,0.01µF 50WV	
C126	YEU05F104Z	Ceramic,0.1µF 50WV	
C151	ECEA1CKA100I	Electrolytic,10µF 16WV	
C152	YECUS1H122KX	Ceramic,0.0012µF 50WV	
C153	YECUS1H152KX	Ceramic,0.0015µF 50WV	
C154	YECUV2A103KX	Ceramic,0.01µF 100WV	
C155	YECUS1H151JM	Ceramic,150pF 50WV	
C156	YECUV1H151JM	Ceramic,150pF 50WV	
C157	YECUS1H151JM	Ceramic,150pF 50WV	
C158	YECUS1H102KX	Ceramic,0.001µF 50WV	
C159	YECUS1H100DM	Ceramic,10pF 50WV	
C160	YECUS1H102KX	Ceramic,0.001µF 50WV	
C161	YECUS1E223KX	Ceramic,0.022µF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C163	ECEA1HKA4R7I	Electrolytic,4.7μF 50WV	
C164	YECUS1H151JM	Ceramic,150pF 50WV	
C166	YECUS1H103KX	Ceramic,0.01μF 50WV	
C201	ECEA1HKAR22I	Electrolytic,0.22μF 50WV	
C202	ECEA1CKA100I	Electrolytic,10μF 16WV	
C203	YECUS1H220JM	Ceramic,22pF 50WV	
C204	ECEA1HKA2R2I	Electrolytic,2.2μF 50WV	
C205	YECUS1H331JM	Ceramic,330pF 50WV	
C206	YECUS1C104KX	Ceramic,0.1μF 16WV	
C207	ECEA1HKA4R7I	Electrolytic,4.7μF 50WV	
C209	YECUS1H222KX	Ceramic,0.0022μF 50WV	
C210	YECUS1C154KX	Ceramic,0.15μF 16WV	
C211	YECUS1H222KX	Ceramic,0.0022μF 50WV	
C213	ECEA1HKA3R3I	Electrolytic,3.3μF 50WV	
C214	ECEA1HKA3R3I	Electrolytic,3.3μF 50WV	
C221	YECUS1E223KX	Ceramic,0.022μF 25WV	
C222	YECUS1H472KX	Ceramic,0.0047pF 50WV	
C230	ECA1CM330I	Electrolytic,33μF 16WV	
C240	ECEA0JKA220I	Electrolytic,22μF 6.3WV	
C251	ECEA1HKA010I	Electrolytic,1μF 50WV	
C252	ECEA1HKA010I	Electrolytic,1μF 50WV	
C253	YECUS1H221JM	Ceramic,220pF 50WV	
C254	YECUS1H221JM	Ceramic,220pF 50WV	
C271	YECUS1H122KX	Ceramic,0.0012μF 50WV	
C272	ECEA1HKA010I	Electrolytic,1μF 50WV	
C273	ECEA0JKA101I	Electrolytic,100μF 6.3WV	
C274	YECUS1E273KX	Ceramic,0.027μF 25WV	
C280	YECUS1E333KX	Ceramic,0.033μF 25WV	
C291	ECEA0JKA101I	Electrolytic,100μF 6.3WV	
C292	YECUS1H103KX	Ceramic,0.01μF 50WV	
C301	ECEA1HKAR22I	Electrolytic,0.22μF 50WV	
C302	ECEA1CKA100I	Electrolytic,10μF 16WV	
C303	YECUS1H220JM	Ceramic,22pF 50WV	
C304	ECEA1HKA2R2I	Electrolytic,2.2μF 50WV	
C305	YECUS1H331JM	Ceramic,330pF 50WV	
C306	YECUS1C104KX	Ceramic,0.1μF 16WV	
C307	ECEA1HKA4R7I	Electrolytic,4.7μF 50WV	
C309	YECUS1H222KX	Ceramic,0.0022μF 50WV	
C310	YECUS1C154KX	Ceramic,0.15μF 16WV	
C311	YECUS1H222KX	Ceramic,0.0022μF 50WV	
C313	ECEA1HKA3R3I	Electrolytic,3.3μF 50WV	
C314	ECEA1HKA3R3I	Electrolytic,3.3μF 50WV	
C320	ECEA1HKA010I	Electrolytic,1μF 50WV	
C321	YECUS1E223KX	Ceramic,0.022μF 25WV	
C322	YECUS1H472KX	Ceramic,0.0047pF 50WV	
C350	ECEA1HKA010I	Electrolytic,1μF 50WV	
C351	ECEA1HKA010I	Electrolytic,1μF 50WV	
C352	ECEA1HKA010I	Electrolytic,1μF 50WV	
C353	YECUS1H221JM	Ceramic,220pF 50WV	
C354	YECUS1H221JM	Ceramic,220pF 50WV	
C371	YECUS1H122KX	Ceramic,0.0012μF 50WV	
C372	ECEA1HKA010I	Electrolytic,1μF 50WV	
C373	ECA0JM101I	Electrolytic,100μF 6.3WV	
C374	YECUS1E273KX	Ceramic,0.027μF 25WV	
C380	YECUS1E333KX	Ceramic,0.033μF 25WV	
C501	YECUS1H681JM	Ceramic,680pF 50WV	
C615	YECUS1C104KX	Ceramic,0.1μF 16WV	
C619	ECEA0JKA331I	Electrolytic,330μF 6.3WV	
C622	YECUS1C104KX	Ceramic,0.1μF 16WV	
C632	YECUS1C224KX	Ceramic,0.22μF 16WV	
C633	YECUS1H103KX	Ceramic,0.01μF 50WV	
C634	ECEA1AKA221	Electrolytic,220μF 10WV	
C636	YECUS1H103KX	Ceramic,0.01μF 50WV	
C637	YECUS1H103KX	Ceramic,0.01μF 50WV	
C640	YECUS1H103KX	Ceramic,0.01μF 50WV	
C641	YECUS1H103KX	Ceramic,0.01μF 50WV	
C642	ECEA1CKA101	Electrolytic,100μF 16WV	
C643	YECUS1H330JM	Ceramic,33pF 50WV	
C644	YECUS1H102KX	Ceramic,0.001μF 50WV	
C645	YECUS1H471JM	Ceramic,470pF 50WV	
C651	YECUS1H270JM	Ceramic,27pF 50WV	
C652	YECUS1H270JM	Ceramic,27pF 50WV	
C653	YECUS1H180JM	Ceramic,18pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C655	YECUS1H180JM	Ceramic,18pF 50WV	
C657	ECEA0JKA331I	Electrolytic,330μF 6.3WV	
C658	YECUS1H103KX	Ceramic,0.01μF 50WV	
C659	YECUS1C104KX	Ceramic,0.1μF 16WV	
C660	YECUS1H103KX	Ceramic,0.01μF 50WV	
C661	YECUS1H220JM	Ceramic,22pF 50WV	
C663	YECUS1H103KX	Ceramic,0.01μF 50WV	
C664	YECUS1H103KX	Ceramic,0.01μF 50WV	
C693	YECUS1H103ZF	Ceramic,0.01μF 50WV	
C694	YECUS1H103ZF	Ceramic,0.01μF 50WV	
C700	ECQV1H104JL2	Plastic Film,0.1μF 50WV	
C701	YECUS1E223KX	Ceramic,0.022μF 25WV	
C702	ECEA1CPU222L	Electrolytic,2200μF 16WV	
C704	ECA1CM102B	Electrolytic,1000μF 16WV	
C705	ECA1CM471	Electrolytic,470μF 16WV	
C707	ECEA1CKA100I	Electrolytic,10μF 16WV	
C708	YECUS1C104KX	Ceramic,0.1μF 16WV	
C709	ECA1CM221	Electrolytic,220μF 16WV	
C710	ECEA1AKA101I	Electrolytic,100μF 10WV	
C711	YECUS1H103KX	Ceramic,0.01μF 50WV	
C712	ECA0JM101I	Electrolytic,100μF 6.3WV	
C713	YECUS1H103KX	Ceramic,0.01μF 50WV	
C714	YECUS1C104KX	Ceramic,0.1μF 16WV	
C715	ECEA1HKA2R2I	Electrolytic,2.2μF 50WV	
C721	ECQV1H104JL2	Plastic Film,0.1μF 50WV	
C722	YECUS1E473KX	Ceramic,0.047μF 25WV	
C723	YECUS1E473KX	Ceramic,0.047μF 25WV	
C724	ECEA1AKA101I	Electrolytic,100μF 10WV	
C725	YECUS1H103KX	Ceramic,0.01μF 50WV	
C726	YECUS1H103KX	Ceramic,0.01μF50WV	
C727	ECEA1AKA101I	Electrolytic,100μF 10WV	
C728	YECUS1H103KX	Ceramic,0.01μF 50WV	
C730	YECUS1H103KX	Ceramic,0.01μF 50WV	
C735	YECUS1H333ZF	Ceramic,0.033μF 50WV	
C736	YECUS1H333ZF	Ceramic,0.033μF 50WV	
C738	YECUS1H333ZF	Ceramic,0.033μF 50WV	
C739	YECUS1H333ZF	Ceramic,0.033μF 50WV	
C741	YECUS1C224KX	Ceramic,0.22μF 16WV	
C742	YECUS1C224KX	Ceramic,0.22μF 16WV	
C743	YECUS1C224KX	Ceramic,0.22μF 16WV	
C744	YECUS1C224KX	Ceramic,0.22μF 16WV	
C745	YECUS1C224KX	Ceramic,0.22μF 16WV	
C746	YECUS1C224KX	Ceramic,0.22μF 16WV	
C747	YECUS1C224KX	Ceramic,0.22μF 16WV	
C748	YECUS1C224KX	Ceramic,0.22μF 16WV	
C751	YECUS1H331JM	Ceramic,330pF 50WV	
C752	YECUS1H271JM	Ceramic,270pF 50WV	
C753	ECEA1CKA100I	Electrolytic,10μF 16WV	
C754	YECUS1H103KX	Ceramic,0.01μF 50WV	
C756	YECUS1H470JM	Ceramic,47pF 50WV	
C757	YECUS1H270JM	Ceramic,27pF 50WV	
C759	YECUS1H103KX	Ceramic,0.01μF 50WV	
C760	ECEA1CKA470I	Electrolytic,47μF 16WV	
C761	YECUS1H150JM	Ceramic,15pF 50WV	
C767	YECUS1H101JM	Ceramic,100pF 50WV	
C768	YECUS1H101JM	Ceramic,100pF 50WV	
C769	YECUS1H101JM	Ceramic,100pF 50WV	
C770	YECUS1H150JM	Ceramic,15pF 50WV	
C771	ECEA0JKA101I	Electrolytic,100μF 6.3WV	
C772	YECUS1E333KX	Ceramic,0.033μF 25WV	
C773	YECUS1H103KX	Ceramic,0.01μF 50WV	
C774	ECEA1AKA221	Electrolytic,220μF 10WV	
C775	YECUS1H101JM	Ceramic,100pF 50WV	
C776	YECUS1H101JM	Ceramic,100pF 50WV	
C777	YECUS1H222KX	Ceramic,0.0022μF 50WV	
C778	ECQV1H683JL2	Plastic Film,0.068μF 50WV	
C779	YECUS1H103KX	Ceramic,0.01μF 50WV	
C781	YECUS1H103KX	Ceramic,0.01μF 50WV	
C782	YECUV1H104KX	Ceramic,0.1μF 50WV	
C783	YECUS1C104KX	Ceramic,0.1μF 16WV	
C784	YECUS1C104KX	Ceramic,0.1μF 16WV	
C790	YECUS1H102KX	Ceramic,0.001μF 50WV	

DISPLAY BLOCK [E-8649A]

Ref. No.	Part No.	Part Name & Description	Remarks
C600	YECUS1H220JM	Ceramic,22pF 50WV	
C601	YECUS1H473KX	Ceramic,0.047μF 50WV	
C602	YECUS1H473KX	Ceramic,0.047μF 50WV	
C603	YECUS1H681JM	Ceramic,680pF 50WV	
C604	YECUV1C104KX	Ceramic,0.1μF 16WV	
C605	YECUS1H181JM	Ceramic,180pF 50WV	
C606	YECUS1H181JM	Ceramic,180pF 50WV	
C607	YECUS1H181JM	Ceramic,180pF 50WV	
C608	YECUS1H181JM	Ceramic,180pF 50WV	
C609	YECUS1H181JM	Ceramic,180pF 50WV	
C610	YECUS1H103KX	Ceramic,0.01μF 50WV	
C611	YECUS1H103KX	Ceramic,0.01μF 50WV	
C612	YECUV2A102KX	Ceramic,0.001μF 100WV	
C613	YECUS1H471JM	Ceramic,470pF 50WV	
C614	YECUS1H471JM	Ceramic,470pF 50WV	

1.4. Resistors

MAIN BLOCK [E-6745A]

Ref. No.	Part No.	Part Name & Description	Remarks
R101	ERJ6GEYJ392	Chip,3.9kΩ 1/10W	
R103	ERJ6GEYJ153	Chip,15kΩ 1/10W	
R105	ERJ6GEYJ562	Chip,5.6kΩ 1/10W	
R107	ERJ6GEYJ153	Chip,15kΩ 1/10W	
R108	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R109	ERJ6GEYJ563	Chip,56kΩ 1/10W	
R111	ERJ6GEYJ683	Chip,68kΩ 1/10W	
R112	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R113	ERJ6GEYJ101	Chip,100Ω 1/10W	
R114	ERJ6GEYJ822	Chip,8.2kΩ 1/10W	
R115	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R118	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R151	ERJ6GEYJ332	Chip,3.3kΩ 1/10W	
R152	ERJ6GEYJ332	Chip,3.3kΩ 1/10W	
R153	ERJ8GEYJ222V	Chip,2.2kΩ 1/8W	
R154	ERJ6GEYJ561	Chip,560Ω 1/10W	
R155	ERJ6GEYJ683	Chip,68kΩ 1/10W	
R156	ERJ8GEYJ332V	Chip,3.3kΩ 1/8W	
R157	ERJ6GEYJ183	Chip,18kΩ 1/10W	
R158	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R159	ERJ8GEYJ393V	Chip,39kΩ 1/8W	
R160	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R161	ERJ8GEYJ103V	Chip,10kΩ 1/8W	
R162	ERJ6GEYJ393	Chip,39kΩ 1/10W	
R163	ERJ6GEYJ393	Chip,39kΩ 1/10W	
R164	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R165	ERJ8GEYJ332V	Chip,3.3kΩ 1/8W	
R166	ERJ6GEYJ224	Chip,220kΩ 1/10W	
R167	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R168	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R201	ERJ6GEYJ332	Chip,3.3kΩ 1/10W	
R203	ERJ6GEYJ563	Chip,56kΩ 1/10W	
R204	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R205	ERJ6GEYJ472	Chip,4.7kΩ 1/10W	
R206	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R207	ERJ6GEYJ153	Chip,15kΩ 1/10W	
R208	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R209	ERJ6GEYJ182	Chip,1.8kΩ 1/10W	
R210	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R211	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R221	ERJ6GEYJ121	Chip,120Ω 1/10W	
R222	ERDS2TJ121	Carbon,120Ω 1/4W	
R225	ERD25TJ821	Carbon,820Ω 1/4W	
R226	ERD25TJ821	Carbon,820Ω 1/4W	
R235	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R241	ERJ6GEYJ681	Chip,680Ω 1/10W	
R242	ERJ6GEYJ681	Chip,680Ω 1/10W	
R245	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R251	ERD25TJ103	Carbon,10kΩ 1/4W	
R252	ERD25TJ103	Carbon,10kΩ 1/4W	
R253	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R254	ERJ6GEYJ103	Chip,10kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R255	ERJ6GEYJ680	Chip,68Ω 1/10W	
R260	ERJ6GEYJ514	Chip,510kΩ 1/10W	
R271	ERJ6GEYJ333	Chip,33kΩ 1/10W	
R272	ERJ6GEYJ472	Chip,4.7kΩ 1/10W	
R273	ERJ6GEYJ390	Chip,39Ω 1/10W	
R274	ERJ6GEYJ124	Chip,120kΩ 1/10W	
R275	ERJ6GEYJ562	Chip,5.6kΩ 1/10W	
R280	ERJ6GEYJ222	Chip,2.2kΩ 1/10W	
R281	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R291	ERJ6GEYJ222	Chip,2.2kΩ 1/10W	
R292	ERJ6GEYJ222	Chip,2.2kΩ 1/10W	
R301	ERJ6GEYJ332	Chip,3.3kΩ 1/10W	
R303	ERJ6GEYJ563	Chip,56kΩ 1/10W	
R304	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R305	ERJ6GEYJ472	Chip,4.7kΩ 1/10W	
R306	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R307	ERJ6GEYJ153	Chip,15kΩ 1/10W	
R308	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R309	ERJ6GEYJ182	Chip,1.8kΩ 1/10W	
R310	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R311	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R321	ERJ6GEYJ121	Chip,120Ω 1/10W	
R322	ERJ8GEYJ121V	Chip,120Ω 1/8W	
R325	ERD25TJ821	Carbon,820Ω 1/4W	
R326	ERD25TJ821	Carbon,820Ω 1/4W	
R327	ERJ6GEYJ222	Chip,2.2kΩ 1/10W	
R328	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R335	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R340	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R341	ERJ6GEYJ681	Chip,680Ω 1/10W	
R342	ERJ6GEYJ681	Chip,680Ω 1/10W	
R343	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R345	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R351	ERD25TJ103	Carbon,10kΩ 1/4W	
R352	ERD25TJ103	Carbon,10kΩ 1/4W	
R353	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R354	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R355	ERJ6GEYJ680	Chip,68Ω 1/10W	
R371	ERJ6GEYJ333	Chip,33kΩ 1/10W	
R372	ERJ6GEYJ472	Chip,4.7kΩ 1/10W	
R373	ERJ6GEYJ390	Chip,39Ω 1/10W	
R374	ERJ6GEYJ124	Chip,120kΩ 1/10W	
R375	ERJ8GEYJ562V	Chip,5.6kΩ 1/8W	
R380	ERJ6GEYJ222	Chip,2.2kΩ 1/10W	
R381	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R621	YER122R2703D	Metal Film,270kΩ 1/10W	
R622	YER122P4302D	Metal Film,43kΩ 1/10W	
R623	YER122P2702D	Metal Film,27kΩ1/10W	
R624	YER122P4701D	Metal Film,4.7kΩ 1/10W	
R633	ERJ8GEYJ333V	Chip,33kΩ 1/8W	
R635	ERDS2TJ222	Carbon,2.2kΩ 1/4W	
R636	ERDS2TJ102	Carbon,1kΩ 1/4W	
R637	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R638	ERDS1FJ271	Carbon,270Ω 1/2W	
R639	ERJ8GEYJ101V	Chip,100Ω 1/8W	
R640	ERDS2TJ182	Carbon,1.8kΩ 1/4W	
R641	ERDS2TJ1R0	Carbon,1.0Ω 1/4W	
R642	ERJ6GEYJ100	Chip,10Ω 1/10W	
R644	ERJ6GEYJ223	Chip,22kΩ 1/10W	
R645	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R646	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R647	ERJ8GEYJ183V	Chip,18kΩ 1/8W	
R648	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R649	ERJ8GEYJ223V	Chip,22kΩ 1/8W	
R650	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R651	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R652	ERDS2TJ102	Carbon,1kΩ 1/4W	
R653	ERJ6GEYJ561	Chip,560Ω 1/10W	
R654	ERJ6GEYJ101	Chip,100Ω 1/10W	
R655	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R656	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R657	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R658	ERJ6GEYJ473	Chip,47kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R659	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R660	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R661	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R662	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R663	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R664	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R665	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R666	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R668	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R671	ERJ8GEYJ681V	Chip,680Ω 1/8W	
R672	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R673	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R674	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R675	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R676	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R677	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R678	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R679	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R680	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R681	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R682	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R683	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R685	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R687	ERJ6GEYJ684	Chip,680kΩ 1/10W	
R688	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R699	ERJ6GEYJ184	Chip,180kΩ 1/10W	
R702	ERDS2TJ102	Carbon,1kΩ 1/4W	
R706	ERDS2TJ122	Carbon,1.2kΩ 1/4W	
R710	ERJ8GEYJ562V	Chip,5.6kΩ 1/8W	
R711	ERJ6GEYJ272	Chip,2.7kΩ 1/10W	
R712	ERDS2TJ821	Carbon,820Ω 1/4W	
R713	ERJ8GEYJ821V	Chip,820Ω 1/8W	
R714	ERJ6GEYJ821	Chip,820Ω 1/10W	
R715	ERDS1FJ1R0	Carbon,1Ω 1/2W	
R716	ERDS2TJ821	Carbon,820Ω 1/4W	
R717	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R718	ERDS2TJ1R0	Carbon,1.0Ω 1/4W	
R719	ERJ6GEYJ151	Chip,150Ω 1/10W	
R720	ERJ6GEYJ151	Chip,150Ω 1/10W	
R724	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R726	ERX12SJR47	Metal Film, 0.47Ω 1/2W	
R733	ERJ8GEYJ332V	Chip,3.3kΩ 1/8W	
R735	ERDS2TJ1R0	Carbon,1.0Ω 1/4W	
R736	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R737	ERJ6GEYJ472	Chip,4.7kΩ 1/10W	
R741	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R742	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R743	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R744	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R745	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R746	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R747	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R748	ERJ8GEYJ2R2V	Chip,2.2Ω 1/8W	
R751	ERDS2TJ151	Carbon,150Ω 1/4W	
R752	ERJ6GEYJ334	Chip,330kΩ 1/10W	
R754	ERJ6GEYJ225	Chip,2.2MΩ 1/10W	
R756	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R757	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R761	ERJ8GEYJ103V	Chip,10kΩ 1/8W	
R762	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R763	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R764	ERJ8GEYJ102V	Chip,1kΩ 1/8W	
R765	ERJ6GEYJ561	Chip,560Ω 1/10W	
R767	ERJ6GEYJ392	Chip,3.9kΩ 1/10W	
R768	ERJ6GEYJ101	Chip,100Ω 1/10W	
R769	ERDS2TJ561	Carbon,560Ω 1/4W	
R770	ERJ8GEYJ100V	Chip,10Ω 1/8W	
R773	ERJ6GEYJ102	Chip,1kΩ 1/10W	
R811	ERDS2TJ104	Carbon,100kΩ 1/4W	
R812	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R813	ERJ6GEYJ473	Chip,47kΩ 1/10W	
R814	ERJ6GEYJ104	Chip,100kΩ 1/10W	
R815	ERJ8GEYJ392V	Chip,3.9kΩ 1/8W	
R816	ERJ6GEYJ103	Chip,10kΩ 1/10W	
R831	ERJ8GEYJ104V	Chip,100kΩ 1/8W	
R832	ERD25TJ471	Carbon,470Ω 1/4W	

DISPLAY BLOCK [E-8649A]

Ref. No.	Part No.	Part Name & Description	Remarks
R601	ERJ6GEYJ683	Chip,68kΩ 1/10W	
R602	ERJ8GEYJ472V	Chip,4.7kΩ 1/8W	
R603	ERJ6GEYJ101	Chip,100Ω 1/10W	
R606	ERJ6GEYJ101	Chip,100Ω 1/10W	
R607	ERJ8GEYJ470V	Chip,47Ω 1/8W	

1.5. Connectors

MAIN BLOCK [E-6745A]

Ref. No.	Part No.	Part Name & Description	Remarks
CN630	YEAE9604S10S	Connector,10P	
CN701	YEAE012672	Connector,12P/8P	
CN702	YEAE012673	Connector,16P	
CN901	YEAETKCF14PS	Connector,14P	
CP401	YEAE0104ASIK	Connector,4P	
CP402	YEAE0104ASIK	Connector,4P	

DISPLAY BLOCK [E-8649A]

Ref. No.	Part No.	Part Name & Description	Remarks
CJ901	K1MQ14A00002	Connector,14P	

1.6. Electric Parts

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW603	EVQ11T04M	Push Switch	
SW604	EVQ11T04M	Push Switch	
SW605	EVQ11T04M	Push Switch	
SW606	EVQ11T04M	Push Switch	
SW607	EVQ11T04M	Push Switch	
SW608	EVQ11T04M	Push Switch	
SW609	EVQ11T04M	Push Switch	
SW610	EVQ11T04M	Push Switch	
SW611	EVQ11T04M	Push Switch	
SW612	EVQ11T04M	Push Switch	
SW613	EVQ11T04M	Push Switch	
SW614	EVQ11T04M	Push Switch	
SW615	EVQ11T04M	Push Switch	
SW616	EVQ11T04M	Push Switch	
SW617	EVQ11T04M	Push Switch	
SW618	EVQ11T04M	Push Switch	
SW619	EVQ11T04M	Push Switch	
SW620	EVQ11T04M	Push Switch	

CRYSTALS

Ref. No.	Part No.	Part Name & Description	Remarks
XL651	YEXL49U0629T	Crystal OSC	
XL652	YEXL2RX0327	Crystal OSC	
XL751	YEXL49U0433T	Crystal OSC	
XL761	YEXL49U072TA	Crystal OSC	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L101	YELT03N3R3JT	Coil	
L103	YELT03N1R0JT	Coil	
L651	YELT03N101JT	Coil	
L701	YETQ026F123	Coil	
L702	YELT03N470JT	Coil	
L752	YELT03N101JT	Coil	
L760	YELT03N101JT	Coil	
L601	YELT03N101JT	Coil	

LCD

Ref. No.	Part No.	Part Name & Description	Remarks
LCD601	L5AAAMC00004	LCD	

LAMPS

Ref. No.	Part No.	Part Name & Description	Remarks
Z101	YEAL02011T	Neon Lamp	
PL601	YEALHSLG005	Pilot Lamp	
PL602	YEALHSLG005	Pilot Lamp	
PL603	YEALSTGG011A	Pilot Lamp	
PL604	YEALSTGG011A	Pilot Lamp	
PL605	YEALSTGG011A	Pilot Lamp	
PL606	YEALSTGG011A	Pilot Lamp	
PL607	YEALSTGG011A	Pilot Lamp	
PL608	YEALSTGG011A	Pilot Lamp	
PL609	YEALHSLG005	Pilot Lamp	
PL610	YEALHSLG005	Pilot Lamp	
PL611	YEALHSLG005	Pilot Lamp	
PL612	YEALHSLG005	Pilot Lamp	

1.7. Mechanical Parts

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
ANT101	YEAA10060	Antenna Receptacle	
AT1	YEFX0213797	Bracket,GND	
AT2	YEFX0213797	Bracket,GND	
TP602	YEAT03240	Terminal	
CNP1	YEAES10A100B	Flat Cable,10P	
1	YEFA031638	Upper Cover	
2	YEFA05734	Bottom Cover	
3	YEFA07479A	Front Plate	
4	YEFA09631	Side Plate(L)	
5	YEFA09632	Side Plate(R)	
6	YEFA131397	Cover	
7	YEFC026384A	Escutcheon	
8	YEFE135743	Button	
9	YEFE02331A	Knob,VOL	
10	YEFE135692	Button,EJECT	
11	YEFE135693	Button,FF	
12	YEFE135694	Button,REW	
13	YEFF01965	Heat Sink	
14	YEFK04404	Holder,Pilot Lamp	
15	YEFK06843	Holder,LCD	
16	YEFS04660A	Rubber Packing	
17	YEFV021604	Optical Shade	
18	YEFV021646	Optical Shade	
19	YEFV021647	Optical Shade	
20	YEFV021654	Optical Shade	
21	YEFX0011915	Transparent Plate	
22	YEFX0011918	Transparent Plate	
23	YEFX0011919	Transparent Plate	
24	YEFX0011921A	Transparent Plate	
25	YEFX0021265	Cassette Door	
26	YEFX0051050A	Spring	
27	YEFX0214244	Bracket,CN701	
28	YEFX0214500	Bracket,IC231	
29	YEFX0214655	Bracket,Deck	
30	YEFX0214660	Bracket,Deck	
31	YEFX0214661	Bracket,Deck	
32	YEFX0214677	Bracket,IC700	
33	YEFX0461247	Lever,EJECT	
34	YEFX9991346	Spring.GND	
35	YEP0PT6745B0	PCB w/Component	RTL
36	YEP0PT8649B0	PCB w/Component	RTL
51	YEJS06185	Screw,2.6mm * 3.5mm	
52	YEJT03038	Tapping Screw,3mm * 16mm	
53	YEJT03081	Tapping Screw,2.6mm * 2.5mm	
54	YEJT03131	Tapping Screw,2.6 * 5mm	
55	XTV26+5GFN	Tapping Screw	
56	YEJV01104	Bolt	
57	XSB3+4FX	Screw,3mm * 4mm	
58	XTB2+6GFX	Tapping Screw,2mm * 6mm	
59	XTB3+6FFX	Tapping Screw,3mm * 6mm	

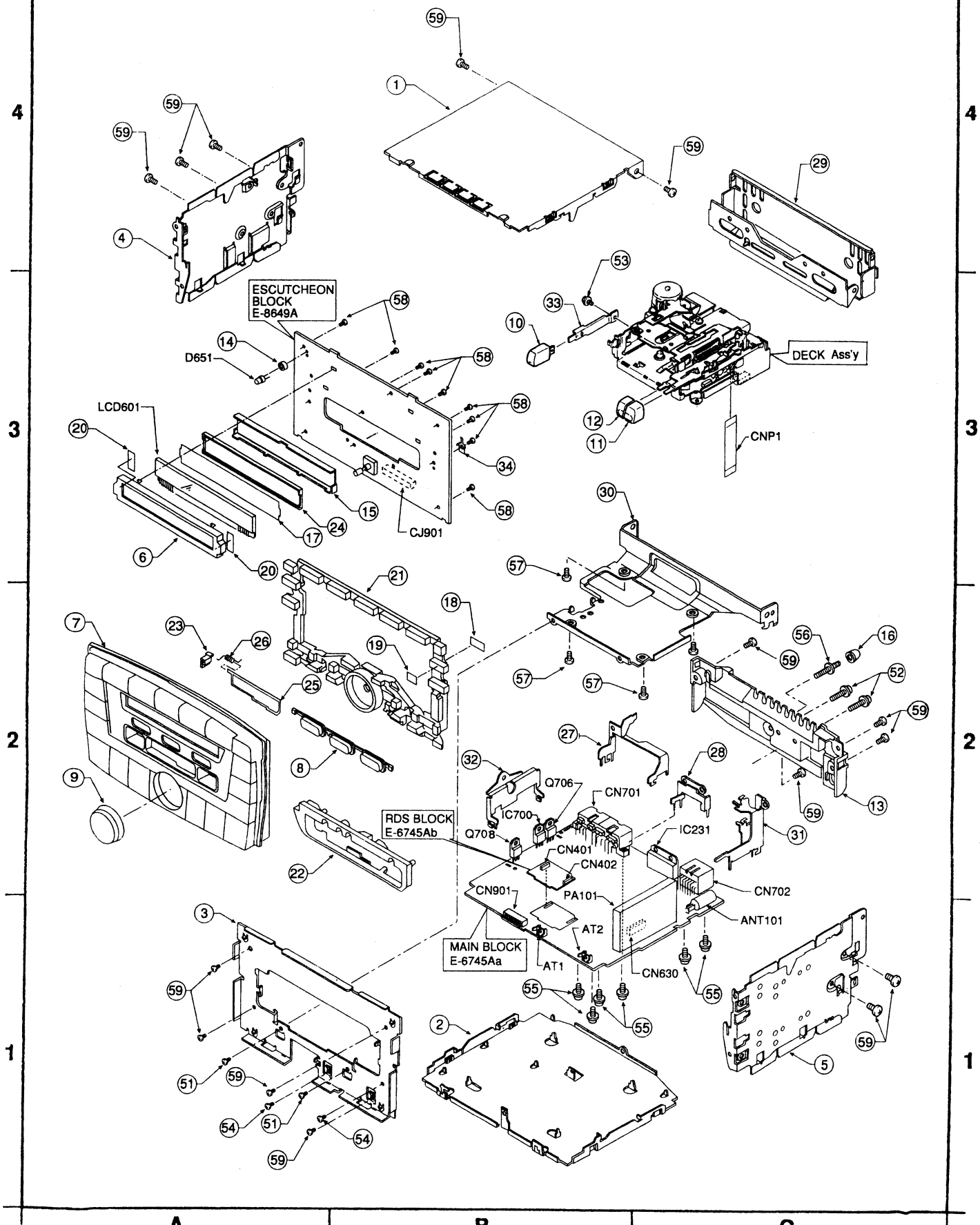
2 Tape Player Parts List

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YEFA011605	CHASSIS RIVET ASS'Y	(2-B)
3	YEAHP7742BB	HEAD ASS'Y	(1-C)
4	YEAS07180	HEAD SW ASS'Y	(2-C)
5	YEP0FX2802	HEAD PANEL ASS'Y (D)	(1-C)
6	YEFX030095	P.GEAR METAL	(3-C)
7	YEFX003778	P.GEAR	(2-C)
8	YEAJ02741	FLAT WIRE	(2-C)
9	YEFX249414	PINCH ROLLER ARM(F) ASS'Y	(3-B)
10	YEFX249415	PINCH ROLLER ARM(R) ASS'Y	(2-A)
12	YEP0FX2803	MG PLATE ASS'Y	(1-A)
14	YEAS07181	POWER SW ASS'Y	(3-A)
16	YEFX0052093	REVERSE SPRING	(4-B)
17	YEFX0461773	P.S ACTUATOR PLATE B	(4-B)
18	YEFX030096	PACK SLIDER B	(4-B)
19	YEFX233484	CASE LIFTER B	(4-B)
20	YEP0FX2804	CASSETTE CASE ASS'Y	(3-A)
22	YEFX0052094	PUSH LEVER SPRING K	(3-A)
23	YEP0FX2805	PUSH LEVER B RIVET ASS'Y	(3-A)
25	YEFX0461776	MAIN PLATE	(3-C)
26	YEFX0052099	H.S SPRING	(2-C)
29	YEAK01026	MOTOR ASS'Y	(3-B)
31	YEFX213212	FL CAPSTAN ASS'Y	(3-B)
31	YEFX213212	FL CAPSTAN ASS'Y	(1-B)
32	YEFX0052108	P.SW SPRING R	(3-A)
33	YEFX0052097	P.SW SPRING	(3-A)
34	YEFX0052096	TA.SPRING	(2-B)
35	YEFX249416	TRIGGER ARM	(1-B)
36	YEFX249417	H.P PUSH ARM B	(1-B)
37	YEFX218289	H.P ROLLER	(2-C)
38	YEFX249418	HP PUSH PLATE	(1-B)
39	YEFX0052098	P.P SPRING	(2-A)
39	YEFX0052098	P.P SPRING	(3-C)
40	YEFX0461774	HP RETURN ARM	(2-A)
52	YEFX003510	MAIN GEAR V	(3-B)
53	YEFX026120	MIDDLE PULLEY	(2-B)
54	YEFR03084	MAIN BELT	(1-B)
56	YEP0FX2806	FR LEVER ASS'Y	(4-C)
57	YEFX0461775	LOCK PLATE	(3-C)
58	YEFX0052095	LOCK PLATE SPRING	(3-C)
200	YEJS06132	SCREW	(2-C)
201	YEJS06174	SCREW,2mm * 5mm	(2-C)
202	YEJT03118	SCREW,2mm * 3mm	(2-A) (1-A)
203	YEJS06195	SCREW,2mm * 2mm	(1-A)
204	YEJS06191	SCREW,2.6mm * 4.5mm	(3-C)
205	YEJS06130	SCREW,2mm * 3mm	(2-B)
211	YEJW05135	WASHER	(1-B)
212	YEJW05136	WASHER	(2-B) (3-B)
213	YEJW05137	WASHER	(2-B)
214	YEFX014053	WASHER	(3-B)
215	YEJW05130	WASHER	(2-B)

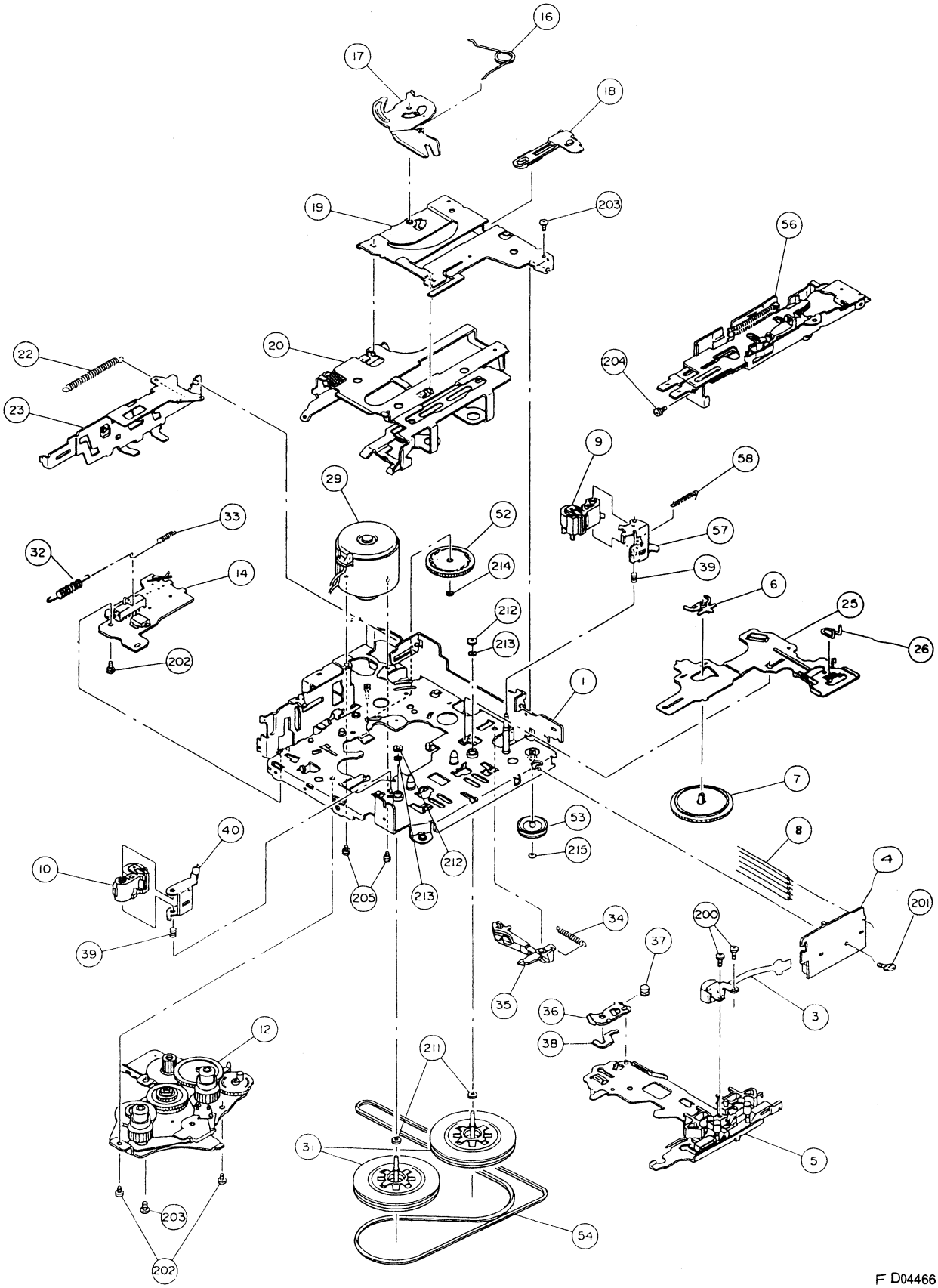
EXPLODED VIEW (UNIT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



EXPLODED VIEW (TAPE PLAYER PARTS)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



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